

Schottky Barrier Diode

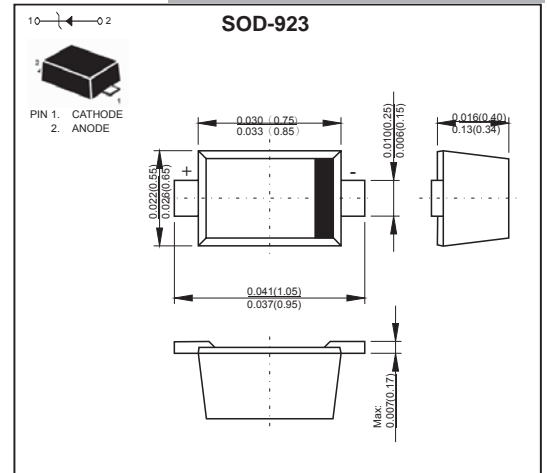
VOLTAGE RANGE: 30V

Features

- VR 30V
- IO 100mA
- Low Forward Voltage Drop

MECHANICAL DATA

- Case: SOD-923 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified

| Item | Symbol | Unit | Conditions | Limit |
|-------------------------------------|--------|------|------------------------------|-------------|
| Repetitive Peak Reverse Voltage | VRRM | V | | 30 |
| Reverse Voltage | VR | V | | 30 |
| Continue Forward Current | IO | mA | | 100 |
| Non-Repetitive Peak Forward Current | IFSM | mA | 8.3 ms single half sine-wave | 500 |
| Junction Temperature | TJ | °C | | 125 |
| Storage Temperature | TSTG | °C | | -55 to +125 |

Electrical Specification (TA=25@25°C unless otherwise specified)

| Item | Symbol | Unit | Conditions | Min | Max |
|-------------------|--------|------|------------|-----|------|
| Forward Voltage | VF | V | IF=10mA | | 0.35 |
| | | | IF=100mA | | 0.55 |
| Breakdown Voltage | VR | V | IR=100uA | 30 | |
| Reverse Current | IR | uA | VR=10V | | 10 |
| | | | VR=30V | | 50 |

Marking C5

Packing Information

| Device | Package | Shipping |
|------------|---------|----------------|
| RB521M9-30 | SOD-923 | 8000/Tape&Reel |